

# ENFORCER®

## EV-1826-NKGQ (NTSC) EV-1826-PKGQ (PAL)

### 84-IR LED Bullet Cameras

#### Manual



- 1/3" Sony Super HAD II CCD
- 2.8~12mm Varifocal lens
- Weatherproof (IP66)
- OSD functions accessible with optional OSD controller (EV-18C)
- Optimized to produce clear images at night
- Cables concealed in bracket
- 12VDC operation
- Optional single-gang mounting plate and round junction box available



**Zeta Series  
OSD Controller**

**Model No.  
EV-18C**



Use to access the OSD  
(On-Screen Display)  
functions for  
compatible cameras  
without having to be  
near the camera.

Not included.

For more information, please see the EV-18C manual.

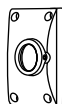
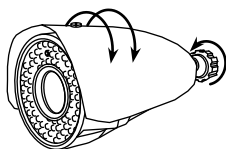
**Specifications:**

Model #	EV-1826-NKGQ		EV-1826-PKGQ	
Type	IR LED Bullet Camera			
CCD	1/3" Sony Super HAD II			
# of infrared LEDs	84			
Lens	2.8~12mm			
Resolution	600 TV lines		600 TV Lines	
Pickup elements	768x494 pixels		752x582 pixels	
Sync	Internal			
Video output	1.0Vp-p Composite video, 75Ω			
Video output format	NTSC		PAL	
Minimum illumination	LEDs OFF	0.1 Lux		
	LEDs ON	0 Lux		
Gamma correction	0.45			
S/N ratio	>45dB			
Shutter control	Auto Electric Shutter (AES)			
Gain control	Auto			
IP rating	IP66			
LED range	Up to 210ft (64m)			
Operating voltage	12VDC			
Current draw	LEDs OFF	130mA		130mA
	LEDs ON	660mA		660mA
Operating temperature	14°~122° F (-10°~50° C)			
Dimensions	10 <sup>13</sup> / <sub>16</sub> " x 4 <sup>5</sup> / <sub>16</sub> " x 4 <sup>5</sup> / <sub>8</sub> " (275 x 116 x 118 mm)			
Weight	2-lb 7-oz (2kg)			

**Parts List:**

1 x IR camera    1 x Sunshield    1 x DC plug with terminal block    1 x Manual    1 x Hex wrench    4 x Mounting screws

**Optional EV-11LS Single-Gang Mounting Plate (Sold separately):**



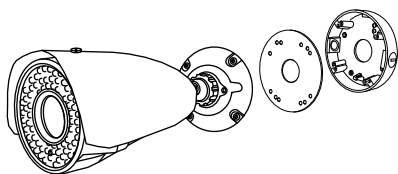
ENFORCER 84-IR LED Bullet Cameras can mount to an optional single-gang mounting plate.

1. Run the camera's wires through the plate.
2. Use the 4 included mounting screws to mount the EV-11LS single-gang plate to the wall.
3. Remove the base from the camera by twisting
4. Twist the camera into the plate until it is tight.
5. Screw the mounting arm into the plate until it is tight.
6. Tighten the adjustment nut on the camera.
7. Tighten the secure screw on the plate.



EV-11LS

**Optional EV-11LR Round Junction Box (Sold separately):**



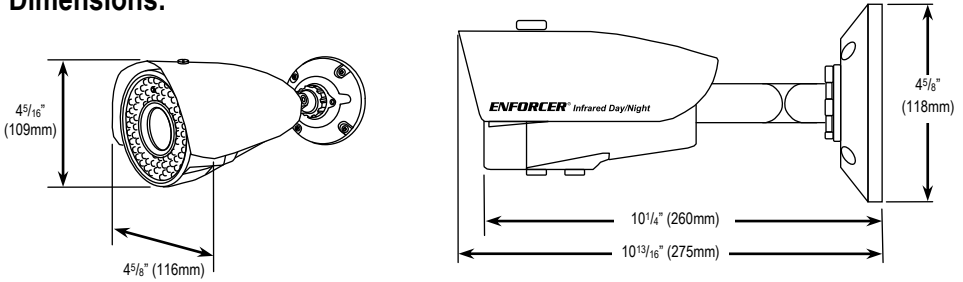
ENFORCER 84-IR LED Bullet Cameras can mount to an optional round junction box.

1. Use the mounting template (included with the EV-11LR) to mark and drill into the wall, if necessary.
2. Use 4 mounting screws (included with the EV-11LR) to mount the junction box to the wall.
3. Mount the camera through the foam pad (included with the EV-11LR) to the junction box.
4. Wire can either be run through the large opening in the center of the EV-11LR or through the conduit fittings on the side.

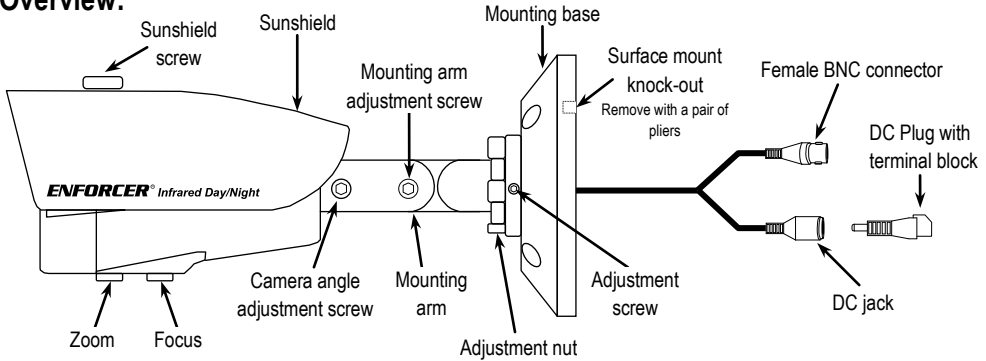


EV-11LR

**Dimensions:**



**Overview:**



**Before Starting:**

1. Please read this manual carefully and keep it for future reference.
2. Use the camera within given temperature and electrical limits.
3. Do not aim the LED light directly at the eyes when the LEDs are on.
4. Do not point the camera at the sun. Heat could damage the camera, even when not in use.
5. Do not mount the camera in areas exposed to radiation, strong magnetic fields, or strong electrical signals.
6. Do not open or disassemble the camera. There are no field serviceable parts inside.
7. Do not drop the camera or subject it to strong vibrations.

**Installation:**

1. Run a 12VDC power supply wire and a video cable with a male BNC connector through the wall to where the camera is to be mounted.
2. Temporarily connect the camera to the 12VDC power supply. **Do not cut the DC jack or female BNC plug as warranty will be voided. If needed, use the included SECO-LARM DC plug with terminal block.**
3. Temporarily connect the camera's female BNC jack to the video cable's male BNC plug. While watching the monitor, hold the camera bracket by hand against the wall where it is to be mounted, then twist the camera until it is certain that this mounting location is correct. Use a pencil to mark the location of the four screw holes in the bracket.
4. Disconnect the 12VDC power supply and video cable.
5. Mount the bracket to the wall using the four included mounting screws.
6. If mounting to the EV-11LR or EV-11LS, see instructions on page 2.
7. Reconnect the 12VDC power supply and video cable. Turn the monitor on and make sure the camera is sending the proper video signal.
8. To adjust the camera angle, loosen and tighten the adjustment nut, or loosen and tighten either of the two screws on the mounting arm. Adjust until the desired scene is displayed.
9. Adjust the zoom and focus using the included hex wrench.
10. Do a final test of the video camera and monitor.

## Troubleshooting:

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The screen is blank.

- Check that the camera is powered up.
- Check that the power supply's polarity is correct.
- Check that the monitor is powered up.
- Check that the video cable connecting the camera to the monitor is connected properly.

The screen image is dim.

- Clean the lens using a soft, clean, dry, and lint-free cloth.
- Check that the light source is adequate.

The screen image has poor contrast.

- Adjust the monitor's contrast knob.
- Change the position of the camera.

The screen image flickers.

- Change the position of the camera.

The screen image is distorted.

- Change the position of the camera.

The camera case is hot.

- Check that the correct power supply is in use.

IR LEDs do not turn on.

- Check that the correct power supply is in use.

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### IMPORTANT

Users and installers of this product are responsible for ensuring this product complies with all national, state, and local laws and statutes related to monitoring and recording audio and video signals. SECO-LARM will not be held responsible for the use of this product in violation of any current laws or statutes.

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### WARNING

Stop using the camera if you see a malfunction such as smoke or unusual heat, as it could cause fire or electric shock. Do not open the case of this device, as there are no field serviceable components inside.

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### FCC COMPLIANCE STATEMENT

Information to the user: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his or her own expense.

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**WARRANTY:** This SECO-LARM product is warranted against defects in material and workmanship while used in normal service for a period of one (1) year from the date of sale to the original consumer customer. SECO-LARM's obligation is limited to the repair or replacement of any defective part if the unit is returned, transportation prepaid, to SECO-LARM.

This Warranty is void if damage is caused by or attributed to acts of God, physical or electrical misuse or abuse, neglect, repair or alteration, improper or abnormal usage, or faulty installation, or if for any other reason SECO-LARM determines that such equipment is not operating properly as a result of causes other than defects in material and workmanship.

The sole obligation of SECO-LARM, and the purchaser's exclusive remedy, shall be limited to replacement or repair only, at SECO-LARM's option. In no event shall SECO-LARM be liable for any special, collateral, incidental, or consequential personal or property damages of any kind to the purchaser or anyone else.

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### NOTICE

The information and specifications printed in this manual are current at the time of publication. However, the SECO-LARM policy is one of continual development and improvement. For this reason, SECO-LARM reserves the right to change specifications without notice. SECO-LARM is also not responsible for misprints or typographical errors.

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